Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/25/2020 10:14 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125535	0	2.74	125613	2.81
Blue	F	SSC	125000	124747	-1	2.63	125488	2.68
Blue	E	FITC	15892	15490	-3	2.98	338	21.00
Blue	D	PE	29999	29308	-3	2.22	638	15.06
Blue	B	PerCP-Cy5-5	43732	43533	-1	3.93	1167	20.57
Blue	A	PE-Cy7	30845	31104	0	6.22	590	41.75
Red	C	APC	46112	45265	-2	2.51	1599	11.88
Red	A	APC-Cy7	30458	29943	-2	2.39	790	12.01
Violet	B	V450	7918	7481	-6	4.04	430	13.29
Violet	A	V500	32171	30704	-5	3.76	723	10.75

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17228	13.92	633	12	N/A	N/A	Pass
Blue	F	SSC	57515	2.05	573	14	N/A	N/A	Pass
Blue	E	FITC	61	67.39	549	6	0.0184	167	Pass
Blue	D	PE	133	49.94	555	7	0.1517	246	Pass
Blue	B	PerCP-Cy5-5	215	51.36	662	6	0.0090	93	Pass
Blue	A	PE-Cy7	109	104.54	705	7	0.0105	19	Pass
Red	C	APC	384	24.26	587	3	0.0255	115	Pass
Red	A	APC-Cy7	175	28.47	558	2	0.0055	861	Pass
Violet	B	V450	65	62.90	459	1	0.0517	2476	Pass
Violet	A	V500	108	39.09	475	1	0.0233	1670	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-33.25	-32.83	0.99
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.41
Red	16.95	13.60 - 20.40	N/A	N/A	30.18	30.61	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 9506

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments